



# Engineering Management Technology (UEM)

## Kalamazoo Valley Community College

### Curriculum 2010-2011

<b>Semester I - Fall (15 Credits)</b>		
<b>Transfer Course</b>	<b>Course</b>	<b>Credits</b>
ENG 127 or ENG 110 & 111	IME 1020 Technical Communication (Prof. 1)	<b>3</b>
DRFT 101 or 130	IME 1420 Engineering Graphics	3
MACH 101	IME 1500 Introduction to Manufacturing (Area VII)	3
MATH 156	MATH 1180 Precalculus Mathematics (Prof. 3)	4
WPE 101	Area VIII* Health and Well-Being	2
		<b>15</b>
<b>Semester II - Spring (15 Credits)</b>		
<b>Transfer Course</b>	<b>Course</b>	<b>Credits</b>
CHEM 120	<b>CHEM 1100 General Chemistry 1 (Area VI)</b>	<b>3</b>
CHEM 120	<b>CHEM 1110 General Chemistry 1 Lab (Area VI)</b>	<b>1</b>
MATH 160	<b>MATH 1220 Calculus I (Prof. 4)</b>	<b>4</b>
PHY 111	PHYS 1130 General Physics I (Area VI)	4
PHY 111	PHYS 1140 General Physics I Lab (Area VI)	1
	CS 1021 Intro. to Engr. Computing I: Spreadsheets	1
	CS 1023 Intro. to Engr. Comp. III: Comp. Programming	1
		<b>15</b>
<b>Semester III - Fall (14 Credits)</b>		
<b>Transfer Course</b>	<b>Course</b>	<b>Credits</b>
	IME 2610 Engineering Statistics	3
PHY 112	<b>PHYS 1150 General Physics II</b>	<b>4</b>
PHY 112	<b>PHYS 1160 General Physics II Lab</b>	<b>1</b>
ACC 101	ACTY 2100 Principles of Accounting	3
ECON 202	ECON 2010 Principles of Microeconomics (Area V)	3
		<b>14</b>



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<b>Semester IV - Spring (16 Credits)</b>		
<b>Transfer Course</b>	<b>Course</b>	<b>Credits</b>
	IME 2460 Introduction to CAD	3
	IME 2001 Applied Electricity and Electronics	3
DRFT 215	IME 2810 Statics and Strength of Materials	4
MSM 260	ME 2500 Materials Science	3
*	Area II* Humanities	3
		<b>16</b>
<b>Semester V - Fall (16 Credits)</b>		
<b>Transfer Course</b>	<b>Course</b>	<b>Credits</b>
	IME 3020 Engr. Teams: Theory & Practice (Area V)	3
	IME 3050 Work Analysis	3
	IME 3150 Work Analysis Lab	1
	IME 3160 Report Preparation	3
	IME 3200 Engineering Cost Analysis	3
	Approved Technical Elective	3
		<b>16</b>
<b>Semester VI - Spring (15 Credits)</b>		
<b>Transfer Course</b>	<b>Course</b>	<b>Credits</b>
	IME 3120 Systems Decision Making	3
	IME 3260 Operations Planning and Control	3
	IME 3280 Quality Assurance and Control	3
	MGMT 3520 Human Resource Management	3
	Approved Technical Elective	3
		<b>15</b>



Western Michigan University

## Department of Industrial and Manufacturing Engineering

Leading Process and Product Improvement

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<b>Semester VII - Fall (17 Credits)</b>		
<b>Transfer Course</b>	<b>Course</b>	<b>Credits</b>
	IME 4020 Supervision of Industrial Operations	3
	IME 4120 Industrial Systems Management	3
	IME 4910 Multidisciplinary Senior Proposal (Prof. 2)	2
*	Area I* Fine Arts	3
	Approved Technical Elective	3
	Approved Technical Elective	3
		<b>17</b>
<b>Semester VIII - Spring (16 Credits)</b>		
<b>Transfer Course</b>	<b>Course</b>	<b>Credits</b>
	IME 4040 Plant Layout and Material Handling	4
	IME 4920 Multidisciplinary Senior Project (Prof. 2)	2
	IME 4930 Multidisciplinary Senior Project Consultation	1
*	Area IV* Other Cultures and Civilizations	3
*	Area III* United States: Culture and Issues	3
	Approved Technical Elective	3
		<b>16</b>
	Total Credits = 124	

**Notes: \* See WMU's General Requirement Guide**

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